Introduction

Scientists, firms and governments have researched and developed cocoa pruning recommendations and intensified farmer trainings on such recommendations. However, farmers’ adoption of recommended practice remains low. The continued engagement of experts with farmers on pruning creates interfaces where expert and farmer knowledge and practices of pruning converge. Yet such interfaces and the interactions therein have received little scholarly attention.

Data collection and methods

The study triangulated:
- Analysis of training manuals from public and private extension delivery.
- Interviews with technical officers, field officers, field trainers, pruners and farmers.
- Observations of pruning activities in the 2017/18 and 2018/19 cocoa seasons.

Results and discussion

- The settings in which experts and farmers meet on cocoa pruning include:
  - Mass trainings.
  - Demonstration farms.
  - One-on-one or group coaching
  - Gang pruning

The knowledge, practices and biases of experts and farmers converge in these settings and create unique interfaces.

Context

- Cocoa sector experiencing:
  - Increasing incidence of pest and diseases
  - Reduction in yield/supply

- Pruning has the potential to:
  - Improve aeration – reduction of pests and diseases
  - Maximise light capture and nutrient use – yield increase

Objective

- Examine interfaces where expert and farmer knowledge on pruning of cocoa meet, assess the kinds of interactions therein and detect emerging spaces for exchange and hybridisation.

- Within each interface, there is a dominant narrative that influences expert-farmer interactions.

**Fig. 2: Interfaces and dominant narratives of experts and farmers**

- **Mass training**
  - Farmers lack the right knowledge on pruning - Need increased training

- **Demonstration farm**
  - Farmers can learn better by seeing – Need training by demonstration

- **Coaching**
  - Different farmers have different learning capacities and adoption rates - Need segmented coaching

- **Gang pruning**
  - Farmers are not pruning or do not have the capacity to prune - Need direct pruning services

- **Farmer Narrative in all interfaces**
  - Expert practice does not consider local farm/field conditions in relation to pruning.
  - Need to find balance between pruning for pest and diseases reduction while maintaining pods bearing branches.

**Conclusions**

- Interactions in the interface is fashioned around different knowledge streams, associated practices and seemingly entrenched narratives.
- However, expert knowledge, practice and narrative is dominant and influences the top-down nature of knowledge transfer in the interface.
- There is less room for exchange, hybridisation and alignment of knowledge and practices in the interface.
- Emerging space for exchange evident in coaching and gang pruning settings with field trainers and pruners who are farmers and or locally recruited.

**Plate. 1: Left. Mass training of farmers on pruning by technical officer. Right: Firm trained gang pruner pruning a farmer’s farm**